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758 7590 08/09/2007 FENWICK & WEST LLP SILICON VALLEY CENTER 801 CALIFORNIA STREET MOUNTAIN VIEW, CA 94041			EXAMINER		
			PATEL, DHAIRYA A		
			ART UNIT	PAPER NUMBER	
	, ,		2151		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	App	olicant(s)				
Office Action Summary		09/993,865	CUI	LEN ET AL.				
		Examiner	Art	Unit	***			
********		Dhairya A. Patel	215					
Ti Period for R	he MAILING DATE of this communication app eply	ears on the covers	sheet with the corres	spondence address -	-			
WHICHE - Extension after SIX (- If NO peric - Failure to Any reply	TENED STATUTORY PERIOD FOR REPLY VER IS LONGER, FROM THE MAILING DAY IS OF THE MAILING THE	ATE OF THIS CON 36(a). In no event, howev will apply and will expire SI , cause the application to I	MMUNICATION. er, may a reply be timely file X (6) MONTHS from the madecome ABANDONED (35)	d illing date of this communica U.S.C. § 133).				
Status								
1)⊠ Re	sponsive to communication(s) filed on <u>20 Ju</u>	<u>uly 2007</u> .						
2a)∏ Thi	This action is FINAL . 2b)⊠ This action is non-final.							
3)∐ Sin	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
clo	sed in accordance with the practice under E	Ex parte Quayle, 19	935 C.D. 11, 453 O.	G. 213.				
Disposition	of Claims							
4a) 5)☐ Cla 6)⊠ Cla 7)☐ Cla	aim(s) 1-31 is/are pending in the application. Of the above claim(s) is/are withdrawaim(s) is/are allowed. aim(s) 1-31 is/are rejected. aim(s) is/are objected to. aim(s) are subject to restriction and/o	wn from considera						
Application	Papers							
10) The App Rej	e specification is objected to by the Examine e drawing(s) filed on is/are: a) acception acception and request that any objection to the placement drawing sheet(s) including the correct e oath or declaration is objected to by the Examine	epted or b) obje drawing(s) be held ir tion is required if the	abeyance. See 37 (drawing(s) is objected	CFR 1.85(a). I to. See 37 CFR 1.12	• •			
Priority und	er 35 U.S.C. § 119							
12) Ack a) Ack 1.[· 2.[3.[nowledgment is made of a claim for foreign all b) Some * c) None of: Certified copies of the priority documents	s have been receiv s have been receiv rity documents hav u (PCT Rule 17.2(a	red. red in Application Note been received in a)).	o				
2) Notice of 3) Information	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO/SB/08) (s)/Mail Date	5) <u> </u>	terview Summary (PTO- aper No(s)/Mail Date otice of Informal Patent / ther:					

DETAILED ACTION

1. This action is responsive to communication filed on 7/20/2007. Claims 1,3-31 are presented for examination. Claim 2 is cancelled.

2. This amendment has fully considered and entered.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1,13,16,24 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

As per claims 1,13,16,24, the claim language states "after a delay interval has elapsed, responsive to the attempt not being successful, wherein the message still continuing to be stored in non-persistent storage, saving the message to persistent storage so that the message can be retrieved and delivered". Examiner does not understand as to what the applicant is trying to claim i.e. Is applicant trying to say responsive to the attempt not being successful, wherein the message still continuing to be stored in non-persistent storage after a delay interval has elapsed, saving the message to persistent storage so that the message can be retrieved and delivered? Or

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is it responsive to the attempt not being successful after a delay interval has elapsed, wherein the message still continuing to be stored in non-persistent storage, saving the message to persistent storage so that the message can be retrieved and delivered". According to specification, it does not mention anything about "responsive to the attempt not being successful, wherein the message still continuing to be stored in non-persistent storage". Examiner does not understand, How the message is continuing to be stored in the non-persistent storage and at the same time saving the message to the persistent storage? Proper clarification is needed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1,3,7-12,16-17,20-25,28-31 rejected under 35 U.S.C. 103(a) as being unpatentable over Chandrasekaran et al. U.S. Patent # 6,397,352 (hereinafter Chandrasekaran) in view of Hamada et al. U.S. Patent # 5,596,720 (hereinafter Hamada) further in view of Danneels et al. U.S. Patent # 5,805,825 (hereinafter Danneels)

As per claim 1, Chandrasekaran teaches a method of handling a message received at a messaging system server, the method comprising:

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-storing, in non-persistent storage, the message; (Fig. 2A element 204) (column 6 lines 61-67) (column 7 lines 1-2).

The reference teaches the message is stored in the propagation queue (nonpersistent storage).

-attempting to deliver the message (column 10 lines 44-49);

The reference teaches attempting to deliver the messages stored in the nonpersistent storage (volatile memory)

-responsive to the attempt being successful, removing, the message from the non-persistent storage (Fig. 3 element 308) (column 10 lines 50-51)(column 11 lines 33-43)(column 13 lines 44-50)(column 14 lines 1-5) and;

The reference teaches after the successful attempt to delivery the message at the destination site, removing the message from propagation queue (non-persistent storage).

-after the delay interval has elapsed, responsive to the attempt not being successful, wherein the message still continuing to be stored in non-persistent storage (column 9 lines 11-17)(Column 7 lines 14-57)(Fig. 3)(column 10 lines 43-67)(column 11 lines 1-22).

In column 10 lines 43-67, column 11 lines 1-22, Chandrasekaran teaches the message is in the propagation queue which is non-persistent storage (volatile) and transmitting the message to the destination site, and still storing the message in the propagation queue (Fig. 3 element 312)(storing message in non-persistent storage) because the acknowledge message has not yet been received (responsive to the

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attempt not being successful), the propagation process then receives message data (content of the message) to store in durable or non-volatile memory (persistent storage) at the source site and by maintaining the propagated message data in a nonvolatile memory (column 7 lines 30-39) a recovery mechanism is provided that allows the source site to determine whether the message has been sent to the destination site.

Chandrasekaran fails to teach saving the message to the persistent storage so that message can be retrieved and delivered. Hamada teaches saving the message to the persistent storage so that message can be retrieved and delivered (Fig. 21 element 101-5, 201-5)(column 17 lines 35-65)(Fig. 23). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention was made to implement Chandrasekaran's teaching in Hamada's teaching to come up retrieving and delivering the message that is save in the persistent storage. The motivation for doing so would be so the message can be retrieved from the non-volatile memory and retransmitted or re-sent to the receiver or the destination at a later time, therefore non-volatile/persistent storage is used to save the message for later retransmission.

Chandrasekaran fail to teach continuing, after the attempt, to store the message in the non-persistent storage. Daneels teaches continuing, after the attempt, to store the message in the non-persistent storage (column 6 lines 58-67)(column 7 lines 1-7). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention was made to implement Daneels's teaching in Chandrasekaran and Hamada's teaching to come up with storing the message after the attempt. The motivation for doing so would so that incase the message is not transferred, the

message can still be resent from the non-persistent storage, instead of looking for the message in the persistent storage and then sending the message, therefore saving time.

As per claim 3, Chandrasekaran, Hamada and Danneels teaches the method of claim 1, but Chandrasekaran further teaches wherein storing in the non-persistent storage comprises storing in a log queue. (Fig. 2A element 204) (Column 6 lines 61-67) (Column 7 lines 1-2).

As per claim 7, Chandrasekaran, Hamada and Danneels teaches the method of claim 1, but Chandrasekaran further teaches further comprising determining the delay interval. (Column 8 lines 20-39)

As per claim 8, Chandrasekaran teaches the method of claim 7, wherein determining the delay interval comprises: determining at least one metric based on messages handled by the server; and determining the delay interval based on the at least one metric (column 8 lines 20-39). The reference teaches adding a priority attribute to determine when the messages are sent to the destination site. Therefore each message is going to be given a number, which is basically like keeping a count of number of messages handled by the server. Therefore since the server is going to give priority value to each message and also associated with the message is the UID, which is identifying the message, the server knows how many messages are handled by the server by which it will find out when these messages in the queue will be delivered to the destination site.

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As per claim 9, Chandrasekaran teaches the method of claim 8, wherein the metric comprises a metric based on a number of sending clients using the server to deliver messages. (Column 8 lines 20-47). The reference teaches the propagation queue having a UID, and priority value (Fig. 2A) assigned to each message. Therefore since there is UID for each message, which is like keeping count of the messages, so in order to send a message a client has to be present therefore since the numbers of messages are known which is equal to number of sending clients using the server to deliver the messages.

As per claim 10, Chandrasekaran teaches the method of claim 7, wherein determining the delay interval comprises dynamically determining the delay. (Column 8 lines 20-47)

As per claim 11, Chandrasekaran, Hamada and Danneels teaches the method of claim 1, but Chandrasekaran further teaches wherein the message was received over a communications network. (Fig. 13 element 728,722,726,720)

As per claim 12, Chandrasekaran, Hamada and Danneels teaches the method of claim 1, but Chandrasekaran further teaches wherein the messages comprise a guaranteed messages; (column 7 lines 39-57) and wherein the messaging system comprises a message-oriented middleware system. (Column 7 lines 27-38)

The reference teaches sends the commit messages (guaranteed messages) to the destination site to indicate the transaction (transferring) should be committed. The reference also teaches that messages are maintained in the non-volatile memory at the source site until they are transferred to the destination site. Therefore in case of the

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source site failure, destination site will fetch the message from the non-volatile memory from the source site.

As per claim 16, Chandrasekaran teaches a computer program product, disposed on a computer readable medium, for handling messages received at a server, the computer program including instructions for causing a server processor to:

-store, in a non-persistent storage (Fig. 2A element 204), messages received from at least one client as the messages are received; (column 6 lines 61-67) (column 7 lines 1-2)

The reference teaches the message is stored in the propagation queue (nonpersistent storage).

-attempt to deliver one of the messages stored in the non-persistent storage (column 10 lines 44-49);

The reference teaches attempting to deliver the messages stored in the nonpersistent storage (volatile memory)

-responsive to the attempt being successful, remove the message from the non-persistent storage (Fig. 3 element 308) (column 10 lines 50-51)(column 11 lines 33-43)(column 13 lines 44-50)(column 14 lines 1-5) and;

The reference teaches after the successful attempt to delivery the message at the destination site, removing the message from propagation queue (non-persistent storage).

- after a delay period has elapsed, responsive to the attempt not being successful, wherein the message still continues to be stored in non-persistent storage,

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saving the message to persistent (column 9 lines 11-14)(Column 7 lines 14-57) (Fig. 3) (column 10 lines 43-67)(column 11 lines 1-22).

In column 10 lines 43-67, column 11 lines 1-22, Chandrasekaran teaches the message is in the propagation queue which is non-persistent storage (volatile) and transmitting the message to the destination site, and still storing the message in the propagation queue (Fig. 3 element 312)(storing message in non-persistent storage) because the acknowledge message has not yet been received (responsive to the attempt not being successful), the propagation process then receives message data (content of the message) to store in durable or non-volatile memory (persistent storage) at the source site and by maintaining the propagated message data in a nonvolatile memory (column 7 lines 30-39) a recovery mechanism is provided that allows the source site to determine whether the message has been sent to the destination site.

Chandrasekaran fails to teach saving the message to the persistent storage so that message can be retrieved and delivered. Hamada teaches saving the message to the persistent storage so that message can be retrieved and delivered (Fig. 21 element 101-5, 201-5)(column 17 lines 35-65)(Fig. 23). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention was made to implement Chandrasekaran's teaching in Hamada's teaching to come up retrieving and delivering the message that is save in the persistent storage. The motivation for doing so would be so the message can be retrieved from the non-volatile memory and retransmitted or re-sent to the receiver or the destination at a later time, therefore non-volatile/persistent storage is used to save the message for later retransmission.

Chandrasekaran and Hamada fails to teach continuing, after the attempt, to store the message in the non-persistent storage. Danneels teaches continuing, after the attempt, to store the message in the non-persistent storage (column 6 lines 58-67)(column 7 lines 1-7). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention was made to implement Danneels's teaching in Chandrasekaran and Hamada's teaching to come up with storing the message after the attempt. The motivation for doing so would so that incase the message is not transferred, the message can still be resent from the non-persistent storage, instead of looking for the message in the persistent storage and then sending the message, therefore saving time.

As per claim 17, Chandrasekaran and Hamada and Danneels teaches a computer program of claim 16, but Chandrasekaran further teaches wherein the instructions for causing the server processor to store messages in the non-persistent storage comprise instructions for causing the server processor to store the messages in a log queue (Fig. 2A element 204)(column 6 lines 61-67) (column 7 lines 1-2).

As per claim 20, Chandrasekaran and Hamada and Danneels teaches a computer program of claim 16, but Chandrasekaran further teaches further comprising instructions for causing the server processor to determine the delay. (Column 8 lines 20-39)

As per claim 21, Chandrasekaran teaches the computer program of claim 20, wherein the instructions for causing the server processor to determine the delay comprise instructions for causing the server processor to: determine at least one metric

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based on the received messages; and determine the delay based on the at least one metric (column 8 lines 20-39). The reference teaches adding a priority attribute to determine when the messages are sent to the destination site. Therefore each message is going to be given a number, which is basically like keeping a count of number of messages received. Therefore it is inherent since the server is going to give priority value to each messages and also associated with the message is the UID, which is identifying the message, the server knows how many messages are received by the server by which it will find out when these messages in the queue will be delivered to the destination site.

As per claim 22, Chandrasekaran teaches the computer program of claim 21, wherein the metric comprises a metric based on a number of clients using the server to deliver messages. (Column 8 lines 20-47). The reference teaches the propagation queue having a UID, and priority value (Fig. 2A) assigned to each message. Therefore since there is UID for each message, which is like keeping count of the messages, so it is inherent that in order to send a message a client has to be present therefore since the number of messages are known which is equal to number of sending clients using the server to deliver the messages.

As per claim 23, Chandrasekaran and Hamada and Danneels teaches a computer program of claim 16, but Chandrasekaran further teaches wherein the instructions for causing the processor to determine the delay comprise instructions for causing the processor to dynamically determining the delay. (Column 8 lines 20-47)

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As per claim 24-25,28-31, they teach same limitations as claims 1-17,20-23 respectively, therefore rejected under same basis.

4. Claims 4-6,13-15,18-19,26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chandrasekaran in view of Hamada in view of Danneels further in view of Stein et al. U.S. Patent 6,289,212 (hereinafter Stein).

As per claim 4, Chandrasekaran and Hamada and Danneels teaches the method of claim 1, but fails to teach further comprising transmitting an acknowledgement message to a client that sent the received message, the acknowledgement message indicating that the received message will not be lost by the server in the case of server failure. Stein teaches transmitting an acknowledgement message to a client that sent a received message, the acknowledgement message indicating that the received message will not be lost by the server in the case of server failure. (Column 12 lines 21-37). It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada and Danneels's invention in Stein's invention to come up with transmitting an acknowledgement message. The motivation for transmitting the acknowledgement message is to let the user know that the message has been sent and be delivered.

As per claim 5, Chandrasekaran and Hamada and Danneels fails to teach the method of claim 4, wherein transmitting the acknowledgment message to the client comprises transmitting the acknowledgment message to the client for successful delivery of the received message. Stein teaches transmitting the acknowledgment message to the client comprises transmitting the acknowledgment message to the client

for successful delivery of the received message (Column 12 lines 21-37) It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada and Danneels's invention in Stein's invention to come up with transmitting an acknowledgement message. The motivation for transmitting the acknowledgement message is to let the user know that the message has been sent and be delivered.

As per claim 6, Chandrasekaran and Hamada and Danneels fails to teach the method of claim 4, wherein transmitting the acknowledgment message to the client comprises transmitting the acknowledgment message to the client for storage of the received message in persistent storage. Stein teaches the method of claim 4, wherein transmitting an acknowledgment message to the client comprises transmitting the acknowledgment message to the client for the storage of the received message in persistent storage. (Column 12 lines 21-37). The reference teaches that message is sent and the facsimile message is placed in the asynchronous request queue. It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada and Danneels's invention in Stein's invention to come up with transmitting the acknowledgement message for the received message's storage in persistent storage. The motivation for doing so would have been so that the client knows that message is going to be delivered properly.

As per claim 13, Chandrasekaran teaches a method of handling guaranteed messages received at a message-oriented middleware server over a network, the method comprising: storing, in a log queue in non-persistent storage guaranteed

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messages received from at least one client as the guaranteed messages are received (Fig. 2A element 204) (Column 6 lines 61-67) (Column 7 lines 1-2)(column 7 lines 28-57);

-attempting to deliver one of the guaranteed messages stored in the nonpersistent storage (column 10 lines 44-49);

The reference teaches attempting to deliver the messages stored in the nonpersistent storage (volatile memory)

-responsive to the attempt being successful, removing, the guaranteed message from the non-persistent storage (Fig. 3 element 308) (column 10 lines 50-51);

-dynamically determining a delay time period(Column 8 lines 20-47);

-after the determined delay period has elapsed, responsive to the attempt not being successful, wherein the guaranteed message still continuing to be stored in non-persistent storage, saving the guaranteed message to persistent storage (column 9 lines 11-14)(Column 7 lines 28-52) (Fig. 3) (column 10 lines 43-67)(column 11 lines 1-22).

In column 10 lines 43-67, column 11 lines 1-22, Chandrasekaran teaches the message is in the propagation queue (log queue) which is non-persistent storage (volatile) and transmitting the message to the destination site, and still storing the message in the propagation queue (Fig. 3 element 312)(storing message in non-persistent storage) because the acknowledge message has not yet been received (responsive to the attempt not being successful) and after a delay interval the propagation process then receives message data (content of the message) to store in

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durable or non-volatile memory (persistent storage) at the source site and by maintaining the propagated message data in a nonvolatile memory (column 7 lines 30-39)(emphasis added) a recovery mechanism is provided that allows the source site to determine whether the message has been sent to the destination site.

Chandrasekaran fails to teach saving the guaranteed message to the persistent storage so that the guaranteed message can be retrieved and delivered. Hamada teaches saving the guaranteed message to the persistent storage so that the guaranteed message can be retrieved and delivered (Fig. 21 element 101-5, 201-5)(column 17 lines 35-65)(Fig. 23). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention was made to implement Chandrasekaran's teaching in Hamada's teaching to come up retrieving and delivering the message that is save in the persistent storage. The motivation for doing so would be so the message can be retrieved from the non-volatile memory and retransmitted or re-sent to the receiver or the destination at a later time, therefore non-volatile/persistent storage is used to save the message for later retransmission.

Chandrasekaran fails to teach transmitting a guarantee acknowledgement message to a client that sent the received guaranteed message whose delivery was attempted, the guarantee acknowledgement message indicating that the message will not be lost by the server. Stein teaches transmitting a guarantee acknowledgement message to a client that sent the received guaranteed message whose delivery was attempted, the guarantee acknowledgement message indicating that the message will not be lost by the server. (column 12 lines 21-37). The reference teaches that the

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facsimile message has been sent is a guaranteed message indicating the message is not going to be lost because if the other side would not receive the fax, the message has been sent would not be displayed.

It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada's invention in Stein's invention to come up with transmitting an acknowledgement message. The motivation for transmitting the acknowledgement message is to let the user know that the message has been sent and be delivered.

Chandrasekaran and Hamada fails to teach continuing, after the attempt, to store the message in the non-persistent storage. Danneels teaches continuing, after the attempt, to store the message in the non-persistent storage (column 6 lines 58-67)(column 7 lines 1-7). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention was made to implement Danneel's teaching in Chandrasekaran and Hamada's teaching to come up with storing the message after the attempt. The motivation for doing so would so that incase the message is not transferred, the message can still be resent from the non-persistent storage, instead of looking for the message in the persistent storage and then sending the message, therefore saving time.

As per claim 14, Chandrasekaran and Hamada and Danneels and Stein teaches the method of claim 13, but Chandrasekaran and Hamada and Danneels fails to teach transmitting the guarantee acknowledgement message comprises: if the guaranteed message was successfully delivered, transmitting the guarantee acknowledgement

message; and if the guaranteed message was not successfully delivered, transmitting the guarantee acknowledgement message when the guaranteed message is persistently stored. Stein teaches transmitting the guarantee acknowledgement message comprises if the guaranteed message was successfully delivered, transmitting the guarantee acknowledgement message; and if the guaranteed message was not successfully delivered, transmitting the guarantee acknowledgement message when the guaranteed message is persistently stored. (Column 12 lines 21-37). It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada's invention in Stein's invention to come up with acknowledgement message when the message is persistently stored if the guaranteed message not successfully delivered. The motivation for doing so would have to let the user know that the message has been received by source site and will be delivered properly.

As per claim 15, Chandrasekaran and Hamada and Danneels and Stein teaches the method of claim 13, but Chandrasekaran further teaches wherein dynamically determining the delay time period comprises: determining a metric based on messages handled by the server; and determining the delay time period based on the determined metric. (Column 8 lines 20-39). The reference teaches adding a priority attribute to determine when the messages are sent to the destination site. Therefore each message is going to be given a number, which is basically like keeping a count of number of messages handled by the server. Therefore it is inherent since the server is going to give priority value to each messages and also associated with the message is

the UID, which is identifying the message, the server knows how many messages are handled by the server by which it will find out when these messages in the queue will be delivered to the destination site.

As per claim 18, Chandrasekaran and Hamada and Danneels teaches the computer program of claim 16, but fails to teach further comprising instructions for causing the server processor to transmit an acknowledgement message to a client that sent the received message whose delivery was attempted, the acknowledgement message indicating that the received message will not be lost by the server. Stein teaches instructions for causing the server processor to transmit an acknowledgement message to a client that sent a received message whose delivery was attempted, the acknowledgement message indicating that the received message will not be lost by the server. (Column 12 lines 21-37). It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada's invention in Stein's invention to come up with transmitting an acknowledgement message. The motivation for transmitting the acknowledgement message is to let the user know that the message has been sent and be delivered.

As per claim 19, Chandrasekaran and Hamada and Danneels fails to teach the computer program of claim 18, wherein the instructions for causing the server processor to transmit the acknowledgment message to the client comprise instructions for causing the server processor to transmit the acknowledgment message to the client for a message saved from non-persistent storage to persistent storage. Stein teaches the computer program of claim 18, wherein the computer program instructions for causing

the server processor to transmit an acknowledgment message to the client comprise instructions for causing the server processor to transmit the acknowledgment message to the client for a message saved from non-persistent storage to persistent storage. (Column 12 lines 21-37). The reference teaches that message is sent and the facsimile message is placed in the asynchronous request queue. It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada's invention in Stein's invention to come up with transmitting the acknowledgement message for messages saved to persistent storage. The motivation for doing so would have been so that the client knows that message is going to be delivered properly.

As per claim 26-27 they teach same limitations as claim 18,19 respectively. Therefore rejected under same basis.

Response to Arguments

Applicant's arguments with respect to claims 1,13,16,24 have been considered but are deemed non-persuasive.

As per remarks, applicant stated the following:

- A). Applicant stated, Chandrasekaran, Hamada and danneels, neither teaches "saving a message to persistent storage for later retrieval and delivery responsive to message not being successful delivered within a delay interval".
- B). Applicant stated, Stein does not teach "transmitting an acknowledgement message to a client that sent a received message, the acknowledgement message

indicating that the received message will not be lost by the server in the case of the server failure".

As per remark A, Examiner respectfully disagrees with the applicant because in column 10 lines 43-67, column 11 lines 1-22, Chandrasekaran teaches the message is in the propagation queue which is non-persistent storage (volatile) and transmitting the message to the destination site, and still storing the message in the propagation queue (Fig. 3 element 312)(storing message in non-persistent storage) because the acknowledge message has not yet been received (responsive to the attempt not being successful), the propagation process then receives message data (content of the message) to store in durable or non-volatile memory (persistent storage) at the source site and by maintaining the propagated message data in a nonvolatile memory (column 7 lines 30-39) a recovery mechanism is provided that allows the source site to determine whether the message has been sent to the destination site. According to specification, it does not mention anything about "responsive to the attempt not being successful, wherein the message still continuing to be stored in non-persistent storage". Examiner does not understand How the message is continuing to be stored in the nonpersistent storage and at the same time saving the message to the persistent storage? The claim language is contradicting itself by claiming "the message still continuing to be stored in non-persistent storage" and "saving the message to the persistent storage".

As per remark B, Examiner respectfully disagrees with the applicant because column 12 lines 21-37. Stein teaches transmitting an acknowledgement message to a client that sent a received message, the acknowledgement message indicating that the

received message will not be lost by the server in the case of server failure. (Column 12 lines 21-37). It would have obvious to one of ordinary skill in the art at the time of applicant's invention to implement Chandrasekaran and Hamada and Danneels's invention in Stein's invention to come up with transmitting an acknowledgement

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message. The motivation for transmitting the acknowledgement message is to let the

user know that the message has been sent and be delivered.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- A). "Message Transfer in communication network" by Black et al. U.S. Patent # 5,878,056.
 - B). "Reliable Event Delivery System" by Kailash et al. U.S. Patent # 5,951,648
- 6. A shortened statutory period for response to this action is set to expire **3 (three)**Months and **0 (zero)** days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the applicant (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b).

7.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dhairya A. Patel whose telephone number is 571-272-5809. The examiner can normally be reached on 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Valencia Martin-Wallace can be reached on 571-272-3440. The fax phone

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number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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